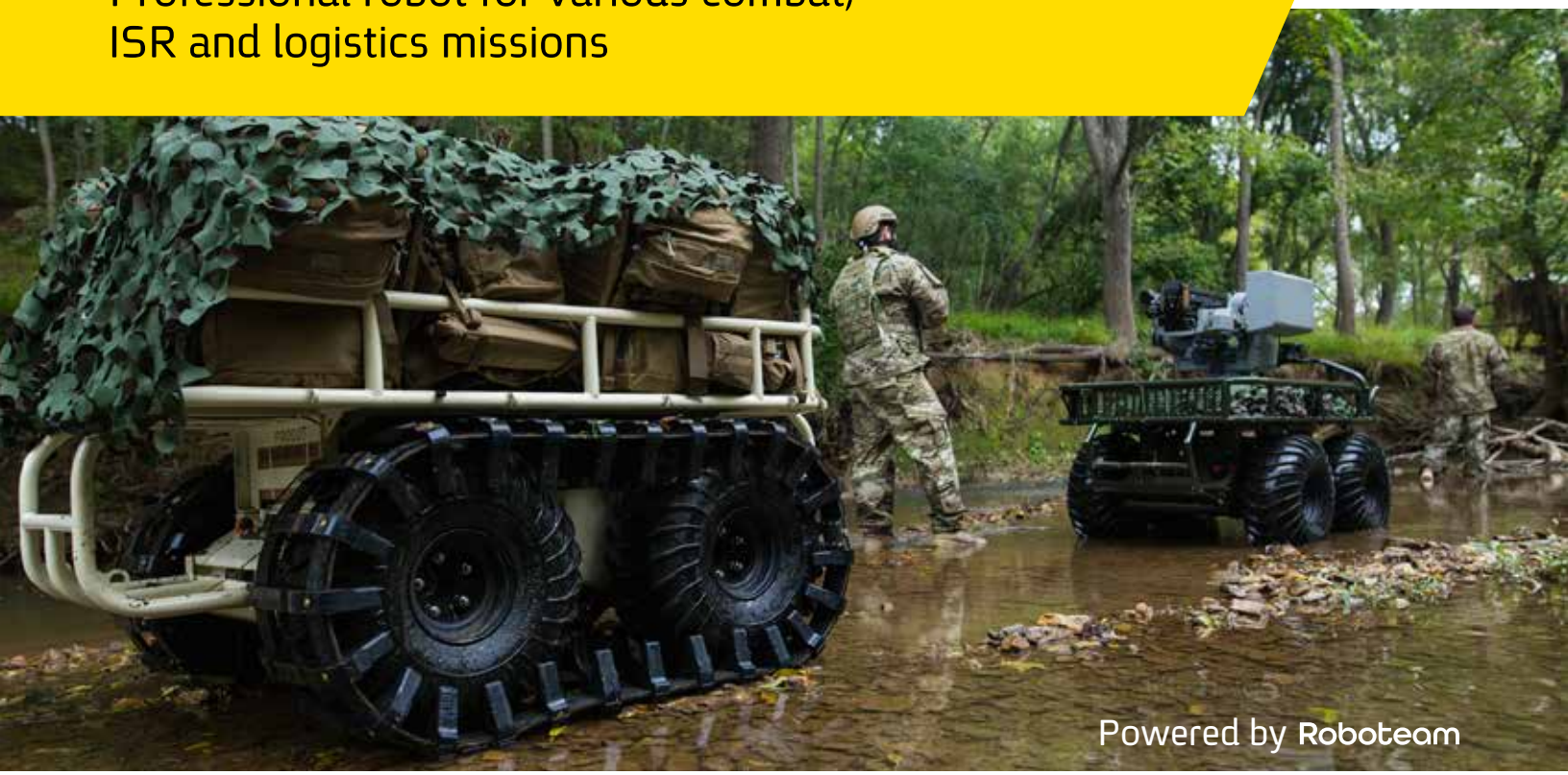
PROBOT™

Professional robot for various combat, ISR and logistics missions



The PROBOT (Professional Robot) platform is designed from the ground up as an autonomous, robust, lightweight tactical support vehicle with high mobility and all-terrain maneuverability in urban and rural environments. Featuring a common all-electric chassis with a very low thermal and acoustic signature, PROBOT can carry heavy payloads and integrate in logistics, medevac, CBRNE, ISR and special operations.

Elbit Systems™
C4I and Cyber

PROBOT

Professional Robot

System Highlights

Indoor and outdoor all-terrain tactical logistics platform capable of carrying 1650 lb /750 kg. Highly transportable and able to adapt to any mission with different payloads – special operations, public safety or logistics.

PROBOT increases effectiveness of small-scale ground units with unique tracing and imaging sensors, closing the operator-to-mission loop with manual or autonomous operation in Follow Me or Go-To modes. Elbit Systems' unique Terrain Classification technology calculates and updates the most feasible route prior to and during a mission.

Main Applications

- Logistics carrier
- Intelligence, Surveillance, Reconnaissance (ISR) and target acquisition sensors
- Search and rescue
- Medical evacuation
- Sensors integration - CBRNE, ECOM, remote-controlled weapon station

Technical Specifications

Parameter	Description
Dimensions w/tracks & carriage (LxWxH)	76.7 x 52.4 x 44 in / 195 x 133 x 112 cm
Weight	960 lb / 435 kg
Max Payload Weight	1650 lb / 750 kg
Max speed	7.5 mph / 12 kmh
Environmental	Ingress Protection 67
Communication	Secure IP Mobile Ad-hoc network
Operating Range	0.43 mil (LOS) / 0.7 km
Working Time	8 hours
Payload Ports	External power, Ethernet RJ45, GPS ant, RF ant, IOP 12v, IOP 24v
Video & Cameras	360° real time day & night video
Operation Mode	Dedicated joystick & ROCU-7 Ruggedized Control & Display Unit Tele-Op Mode Autonomous Mode Follow Me / Convoy Mode
TOW Capabilities	Up to 50 mph / 80 kph

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